



SYNPOL PRODUCTS PRIVATE LTD.

Regd Office & Factory: 77, G.V.M.S. AUDYOGIC VASAHAT LTD.,
ODHAV, AHMEDABAD – 382 415, INDIA

PRODUCT CODE: ACRYLIC / 06.12

Synpol AT-70

TYPE : Thermosetting acrylic co-polymer solution.

DESCRIPTION : Thermosetting carboxyl functional acrylic co-polymer solution for baked coating along with epoxy resins.

SPECIFICATIONS :

1) Appearance	Water clear viscous liquid.
2) Density @ 25 ^o C.	0.98 - 0.99
3) % Solids @ 150 ^o C/30 min	48 - 52
4) Solvent	Xylene : n-Butanol (1 : 1)
5) Viscosity @ 25 ^o C. , poises, gardner	5 - 10
6) Colour, gardner	3 max.
7) Acid value of resin solids, mg. KOH / gm.	65 - 70
8) Acid equivalent weight based on resin solids.	800 - 850

SOLUBILITY : Synpol AT-70 is soluble in cellosolve acetate, mixture of alcohols and aromatic hydrocarbons, D.A.A. and MIBK

COMPATIBILITY : Synpol AT-70 is compatible with epoxy resins like Synpol 200, Synpol 450 XX and amino resins like Synpol MF-310, Synpol MF-268.

APPLICATIONS : Synpol AT-70 is a thermosetting acrylic co-polymer designed to crosslink with epoxy resins to give excellent flexibility, impact resistance and high degree of hardness. It provides properties such as excellent enamel stability, excellent gloss and colour retention, superior resistance to stains and detergents, and excellent adhesion to many substrates. It finds applications in appliance finishes, metal furnitures, hospital equipments, metal containers and electrical equipments.

SUGGESTIVE FORMULATION :

White appliance baking enamel..

	kgs.
Titanium dioxide rutile	26.2
Synpol AT-70	38.3
Synpol 450 XX	17.0
Cellosolve acetate	15.2
Xylene	3.2
Anti-skinning agent	<u>0.1</u>
Total	100.0

% Solids	58.0
Viscosity @ 25 ^o C by FC4, seconds	60
Pigment binder ratio	44 : 55
Acrylic epoxy ratio	60 : 40
Stoving schedule @ 180 - 200 ^o C., minutes.	20 - 30

Continued.....

DISCLAIMER: Above Specifications are subject to change without prior notice and company reserves the right to modify the same at any time

MATERIAL SAFETY DATA :

Product name	Synpol AT-70
Flash point ° C. (Abel closed cup)	31
Flammability	Moderate fire risk due to presence of solvents like xylene, butanol.
Toxicity	Moderate toxic by exposure and inhalation of vapours of xylene, butanol and traces of free monomers.
Handling	Keep away from sources of ignition, provide all electric connections of flame-proof design. Wear safety glasses, rubber gloves and protective clothings.
Emergency treatment and measures	
1 Hygienic precautions	Adequate ventilations.
2 Hygienic treatments (First Aid)	Flush eyes thoroughly with water. Apply ophthalmic cortisone for conjunctivitis and keratities. Wash out contaminated skin with soap and water. Gastric lavage (stomach wash), if swallowed, followed by saline catharsis.
3 Fire precautions (in case of outbreaks)	Use dry chemical or carbon dioxide. Water spray may help to keep containers cool, to dilute leaked resins and to diffuse vapours.
Spills and leakage	Absorb liquid materials in sand and collect solid material and burn under hood in incinerator.
Disposal and waste treatment	Spray into furnace under controlled conditions.

STORAGE :

Synpol AT-70 should be stored in cool place under shade. The properties are so adjusted to have storage stability of minimum 6 months.

PACKING :

25 kgs. M.S. drums, 50 kgs. Plastic carboys and 200 kgs. M.S. barrels.

DISCLAIMER :

Information in this literature is to the best of our knowledge true and accurate. However, since conditions under which our products may be used are beyond our control, recommendations are made without warranty or guarantee.

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